JVC

SERVICE MANUAL

STEREO CASSETTE DECK

MODEL KD-V100A/B/C/E/ED/J/U/NA/NB NC/NE/NED/NJ/NU

This service manual has been compiled based on the KD-V11A/B/C/E/E(D)/J/U (No. 4216).
For repairing such sections as;

Controls and Connections,
Main Parts Location,
Removal of the Main Parts,
Main Adjustments,

refer to the KD-V11A/B/C/E/E(D)/J/U (No. 4216) because the repair procedure is the same.

Specifications

Type : Stereo cassette deck
Track system : 4-track, 2-channel
Tape speed : 1-7/8 inch/sec (4.8 cm/sec)
Frequency response: (0 dB recording)
Metal tape *1;
40–11,000 Hz (± 3 dB)
Chrome tape *2;
40–8,000 Hz (± 3 dB)
Normal tape *3;
40–8,000 Hz (± 3 dB)
(–20 dB recording)
Metal tape *1;
40–15,000 Hz (± 3 dB)
Chrome tape *2;
40–15,000 Hz (± 3 dB)
Normal tape *3;
40–14,000 Hz (± 3 dB)

Note: *1 . . . JVC ME or Equivalent
*2 . . . TDK SA or Equivalent
*3 . . . MAXELL UD or Equivalent

S/N ratio : 58 dB (S = 1 kHz, K3 = 3%, N = A-Weight, Metal tape)
The S/N is improved by 5 dB at 1 kHz and by 10 dB above 5 kHz with ANRS/DOLBY B NR on.
Wow and flutter : 0.08 % (WRMS), 0.20 % (DIN 45 500)
Crosstalk : 60 dB (1 kHz)
Harmonic distortion: K3; 0.5 %, THD; 1.0 % (metal tape, 1 kHz 0 dB)
Heads : METAPERM head for recording/playback,
2-gap ferrite head for erasure
Motor : Electronic governed DC motor
Fast forward time : 100 sec. with C-60 cassette
Rewind time : 100 sec. with C-60 cassette
Input terminals
Mic jack x 2 : Max. sensitivity; 0.4 mV (–68 dBV)
Matching impedance; 600 Ω – 10 kΩ
Input jack x 2 : Min. input level; 80 mV
Input impedance; 100 kΩ
Output terminals
Output jack x 2 : Output level; 300 mV
Output impedance; 5 kΩ
Power requirement : AC 240 V, 50/60 Hz (KD-V100A/B/NA/NB)
AC 120 V, 60 Hz (KD-V100C/J/NC/NJ)
AC 220 V, 50/60 Hz (KD-V100E/E(D)/NE/NED)
AC 240/220/110 V, 50/60 Hz (KD-V100U/NU)
Power consumption: With power on; 10 W
With power switch off; 0.8 W
Weight : 7.7 lbs (3.5 kg)

Design and specifications are subject to change without notic

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No. 4226
November 1983

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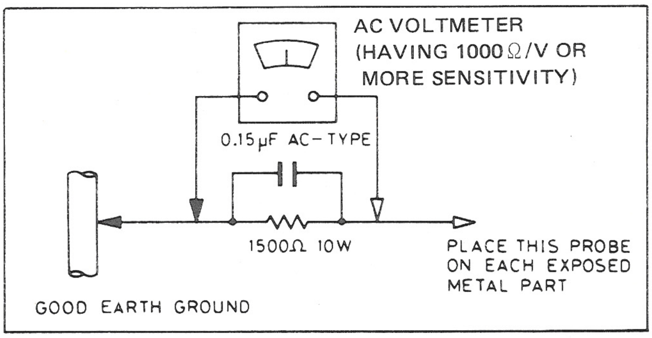
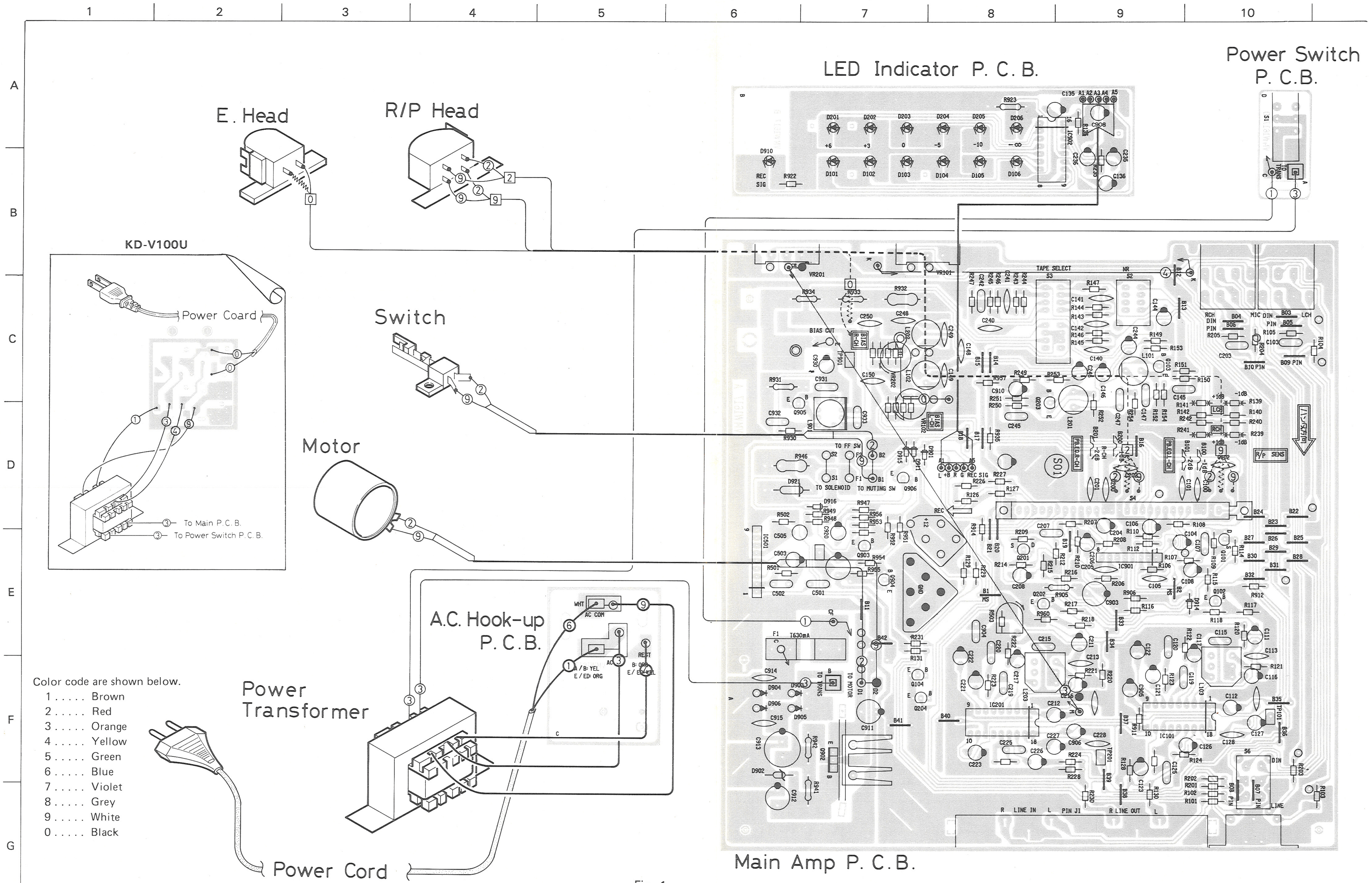
Safety precaution

1. The design of this product contains special hardware. Many circuits and components specially for safety purposes.
   For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by then necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by (⚠) on the schematics and parts list in Service manual. The use of a substitutue replacement which does not have the same safety characterisitics as the recommended replacement part shown in the parts list in Service manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings barriers and/or the like to be separated from live parts, high temperature part, moving parts and/or sharp edges for the prevention of electric shock and fire hazard.
   When service is required, the original lead routing and dress should be observed, and they should be confirmed to be returned to normal, after re-assembling.
5. Leakage current check
   (Safety for electrical shock hazard)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the Products (antenna terminals, knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc,). Any leakage current must not exceed 0.5 mA AC (r.m.s.).
   - Alternate check method.
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or mroe sesitivity in the following manner. Connect a 1500 Ω 10 W resistor paralleled by a 0.15 μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.).
     Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured musy not exceed 0.75 V AC (r.m.s.).
     This corresponds to 0.5 mA AC (r.m.s.).



Wiring Connections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A
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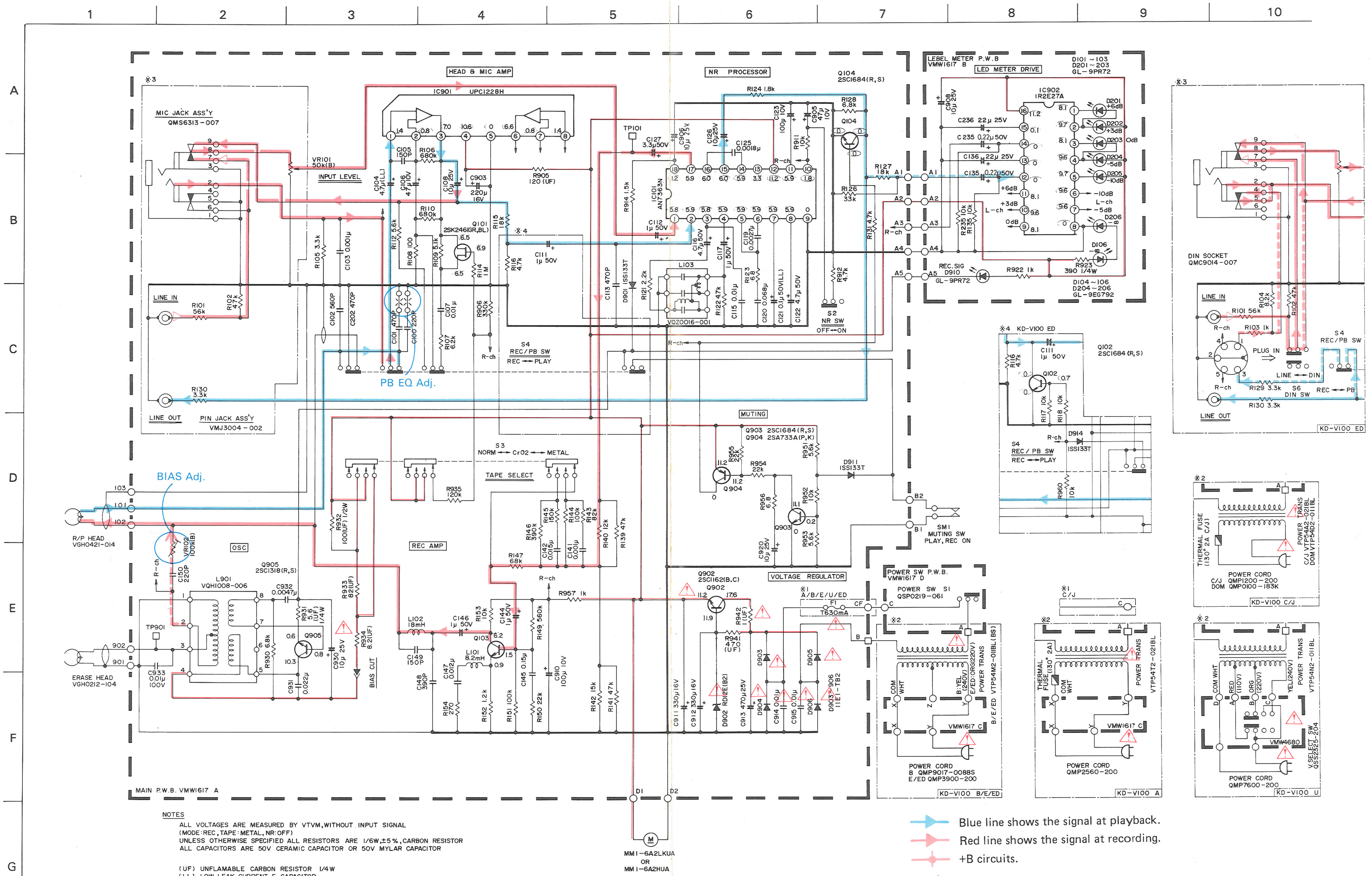
F
G
LED Indicator P. C. B.
Power Switch
P. C. B.
E. Head
R/P Head
KD-V100U
Power Coard
To Main P. C. B.
To Power Switch P. C. B.
Switch
Motor
A.C. Hook-up
P. C. B.
Power
Transformer
Power Cord
Main Amp P. C. B.
TAPE SELECT
NR
TO FF SW
TO SOLENOID
TO MUTING SW
TO TRANS
TO MOTOR
BIAS CUT
R/P SENS
REC SIG
R LINE IN L
PIN J1
R LINE OUT L
WHT
AC COM
A / B: YEL
E / ED: ORG
REST
B: ORG
E / ED: YEL
F1
T630mA
IC101
IC201
IC901
IC501
IC902
VR201
VR101
S01

Color code are shown below.

1 . . . . . Brown
2 . . . . . Red
3 . . . . . Orange
4 . . . . . Yellow
5 . . . . . Green
6 . . . . . Blue
7 . . . . . Violet
8 . . . . . Grey
9 . . . . . White
0 . . . . . Black

Fig. 1

Standard Schematic Diagram of KD-V100A/B/C/E/ED/J/U


HEAD & MIC AMP
IC901 UPC1228H
NR PROCESSOR
IC101 AN7363N
Q104 2SC1684(R,S)
LEBEL METER P.W.B VMW1617 B
LED METER DRIVE
IC902 IR2E27A
D101~103 D201~203 GL-9PR72
D104~106 D204~206 GL-9EG792
MIC JACK ASS'Y QMS6313-007
VR101 50k(B) INPUT LEVEL
LINE IN
LINE OUT
PIN JACK ASS'Y VMJ3004-002
Q101 2SK246(GR,BL)
PB EQ Adj.
S4 REC/PB SW REC ← PLAY
S2 NR SW OFF ↔ ON
VOZ0016-001
MUTING
Q903 2SC1684(R,S) Q904 2SA733A(P,K)
S3 NORM ← CrO2 ← METAL
TAPE SELECT
REC AMP
OSC
BIAS Adj.
VR102 100k(B)
R/P HEAD VGH0421-014
ERASE HEAD VGH0212-104
L901 VQH1008-006
Q905 2SC1318(R,S)
BIAS CUT
VOLTAGE REGULATOR
Q902 2SC1162(B,C)
SM1 MUTING SW PLAY, REC ON
POWER SW P.W.B. VMW1617 D
POWER SW S1 QSP0219-061
F1 T630mA
POWER CORD B QMP9017-008BS E/ED QMP3900-200
KD-V100 B/E/ED
POWER TRANS VTP54M2-011BL(BS)
MAIN P.W.B. VMW1617 A
MM1-6A2LKUA OR MM1-6A2HUA
KD-V100 ED
Q102 2SC1684(R,S)
DIN SOCKET QMC9014-007
PLUG IN
S6 DIN SW
KD-V100 C/J
THERMAL FUSE (130° 2A C/J)
POWER CORD C/J QMP1200-200 DOM QMP0100-183K
POWER TRANS C/J VTP54A2-021BL DOM VTP54D2-011BL
KD-V100 A
POWER CORD QMP2560-200
VTP54T2-021BL
KD-V100 U
POWER CORD QMP7600-200
V.SELECT SW QSS2325-204
VTP54N2-011BL

NOTES
ALL VOLTAGES ARE MEASURED BY VTVM,WITHOUT INPUT SIGNAL
(MODE:REC,TAPE:METAL,NR:OFF)
UNLESS OTHERWISE SPECIFIED ALL RESISTORS ARE 1/6W,±5%,CARBON RESISTOR
ALL CAPACITORS ARE 50V CERAMIC CAPACITOR OR 50V MYLAR CAPACITOR

(UF) UNFLAMABLE CARBON RESISTOR 1/4W
(LL) LOW LEAK CURRENT E.CAPACITOR

Blue line shows the signal at playback.
Red line shows the signal at recording.
+B circuits.
⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

Fig. 2

Amp. P.C.B. Parts List

⚠ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

Ref. No.	Parts No.	Parts Name	Remarks
IC101, 201	AN7363N	I.C.	
IC902	IR2E27A	"	
IC901	UPC1228H	"	
Q904	2SA733A(P,K)	Transistor	
⚠ Q902	2SC1162(B,C)	"	
Q905	2SC1318(R,S)	"	
Q102, 104, 202, 204, 903	2SC1684(R,S)	"	
Q103, 203	2SC2634(T)	"	
Q101, 201	2SK246(GR,BL)	F.E.T.	
D104–106, 204–206	GL-9EG792	L.E.D.	
D101–103, 201–203, 910	GL-9PR72	"	
D902	RD12E(B2)	Ze. Diode	
D901, 911, 914	1SS133T-77	Si. Diode	
⚠ D903–906	11E1-TB2	"	
VR101, 201	QVF0A2A-054	V. Resistor	
VR102, 202	QVP4A0B-104	"	
S2	QSL2209-002	Lever Switch	
S3	QSL4309-021	"	
S1	QSP0219-061	Push Switch	
S6	QSP2210-061	"	KD-V100ED only
S4	QSS9201-005R	Slide Switch	
L901	VQH1008-006	Coil	
L102, 202	VQP0001-183S	Inductor	
L101, 201	" -822S	"	
L103, 203	VQZ0016-001	Filter	
R932	QRD121J-101	C. Resistor	
⚠ R942	QRD141J-1R0	"	
R905	" -121	"	
R923	" -391	"	
R941	" -471	"	
R931	" -5R6	"	
⚠ R934	" -8R2	"	
R933	" -820	"	
R108, 208	QRD161J-101	"	
R103, 203, 922, 957	" -102	"	KD-V100ED only
R135, 153, 235, 253, 911, 952, 960	" -103	"	KD-V100ED only
R117, 217		"	KD-V100ED only
R118, 218		"	KD-V100ED only
R144, 151, 244, 251	QRD161J-104	"	
R114, 214	" -105	"	
R152, 252	" -122	"	
R140, 240	" -123	"	
R935	" -124	"	
R914	" -152	"	
R142, 242	" -153	"	
R145, 245	" -154	"	
R124, 224	" -182	"	
R115, 127, 215, 227	" -183	"	
R121, 221	" -222	"	
R150, 250, 954, 955	" -223	"	
R154, 254	" -271	"	
R105, 230	" -332	"	
R130, 205, 229, 129	QRD161J-332	C. Resistor	KD-V100ED only
R126, 226	" -333	"	
R906	" -334	"	
R146, 246	" -394	"	
R116, 122, 131, 216, 222, 231, 912	" -472	"	
R105, 205		"	KD-V100ED only
R102, 139, 141, 202, 239, 241	QRD161J-473	"	
R109, 209	" -473	"	
R112, 212, 951, 953	" -562	"	
R101, 201	" -563	"	
R149, 249	" -564	"	
R956	" -6R8	"	
R107, 207	" -622	"	
R123, 223	" -680	"	
R128, 228, 930	" -682	"	
R147, 247	" -683	"	
R106, 110, 206, 210	" -684	"	
R104, 204	" -822	"	KD-V100ED only
R143, 243	" -823	"	
⚠ C914, 915	QCF11HP-103	C. Capacitor	
C105, 205	QCS11HJ-151	"	
C100, 200	" -221	"	
C148, 248	" -391	"	
C101, 113, 201, 202, 213	" -471	"	
C102	" -561	"	
C149, 249	QCS12HJ-151	"	
C150, 250	QCY42HK-221	"	
C104, 204	QEB41EM-475	E. Capacitor	
C121, 221	QEB41HM-104	"	
C123, 223, 906, 910	QET41AR-107	"	
C106, 206, 905	" -476	"	
C903	QET41CM-227	"	
C911, 912	" -337	"	
C108, 126, 208, 226, 908, 920, 930	QET41ER-106	"	
C136, 236	" -226	"	
C913	" -477	"	
C111, 112, 117, 135, 144, 146, 211, 212, 217, 235, 244, 246	QET41HR-105	"	
C127, 227	" -335	"	
C116, 122, 216, 222	" -475	"	
C103, 141, 203, 241	QFN41HJ-102	MY Capacitor	
C142, 242	" -152	"	
C125, 225	" -182	"	

Ref. No.	Parts No.	Parts Name	Remarks
C119, 219	QFN41HJ-272	MY Capacitor	
C933	QFP42AJ-103	P.P. Capacitor	
C932	〃 -472	〃	
C107, 115, 207, 215	QFV41HJ-103	T.F. Capacitor	
C147, 247	〃 -123	〃	
C145, 245	〃 -154	〃	
C931	〃 -223	〃	
C120, 220	〃 -683	〃	
J4	QMC9014-007	DIN Socket	KD-V110ED only
⚠ F1	QMF51A2-R63	Fuse	KD-V100A/E/U/ ED/NA/NE/ NU/NED
⚠ F1	QMF51A2-R63BS	〃	KD-V100B/NB

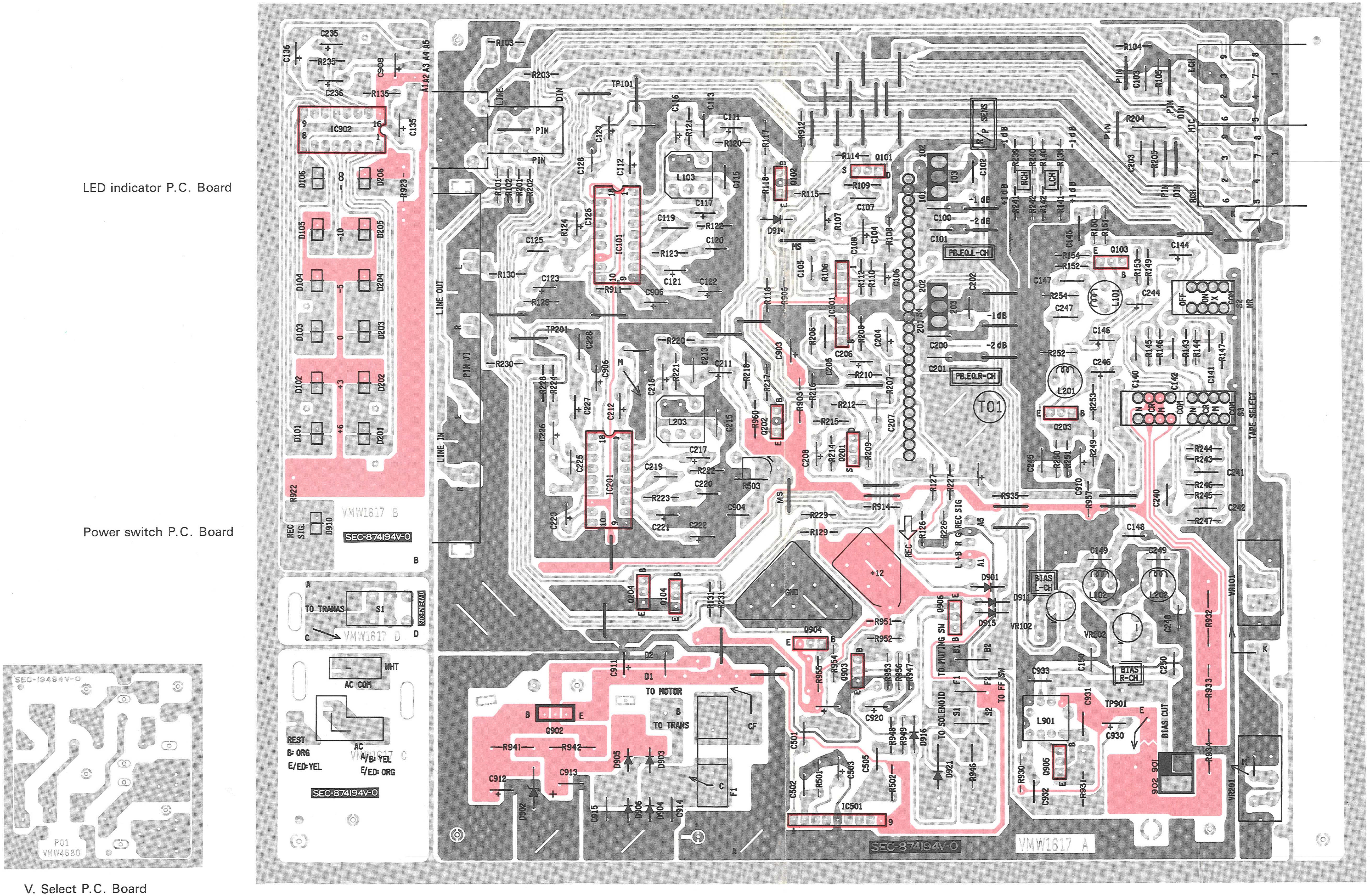
Ref. No.	Parts No.	Parts Name	Remarks
J2, 3	QMS6313-007	Mic. Jack	
J1	VMJ3004-102	Pin Jack	
TP101, 201, 901	VKL3143-001	Tab	
B03–08	QWY124-016	Formed Bus Wire	
	VKL5002-001	Heat Sink	
	VMH4003-001	〃	KD-V100U only
	SSSP3006Z	Screw	
	DPSP3008Z	〃	Heat Sink
	TAZ000331-02	Fuse Clamp	

Location of P.C. Board Parts

Main amp. P.C. Board

LED indicator P.C. Board

Power switch P.C. Board


C235
C136
R235
C236
C908
R135
IC902
C135
A1 A2 A3 A4 A5
D106
D206
R923
D105
D205
D104
D204
D103
D203
D102
D202
D101
D201
-10
-5
0
+3
+6
R922
REC SIG
D910
VMW1617 B
SEC-874194V-0
TO TRANS
S1
VMW1617 D
WHT
AC COM
REST
B: ORG
E/ED: YEL
AC
A/B: YEL
E/ED: ORG
VMW1617 C
SEC-874194V-0
SEC-13494V-0
P01
VMW4680
R103
R203
LINE
DIN
PIN
TP101
LINE OUT
PIN J1
LINE IN
R101
R102
R201
R202
C127
C128
C112
IC101
C126
R124
C125
R130
C123
R128
R911
C905
TP201
R230
C228
C906
R228
R224
C227
C226
C225
C223
C212
IC201
C216
R221
R220
C213
C211
L203
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R222
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R223
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C222
C116
C113
R121
C111
R120
L103
C117
C119
R122
C120
R123
C121
C122
C115
R117
R118
Q102
D914
R912
R114
Q101
R109
R115
C107
R107
C108
C104
R108
C105
R106
R112
R110
C106
R116
R906
IC901
R206
C206
R208
C204
C205
R210
R216
R905
R212
R215
R207
C207
C208
R214
Q201
R209
R218
R217
R960
Q202
C903
C215
R503
C904
MS
R914
R229
R129
R127
R227
R126
R226
REC SIG
REC
+12
GND
Q204
Q104
R131
R231
Q904
R951
R952
R955
R954
Q903
R953
R956
R947
C920
C911
D2
D1
TO MOTOR
B
TO TRANS
CF
Q902
R941
R942
C912
C913
D902
D905
D903
D906
D904
C915
C914
F1
C501
C502
R501
C503
C505
IC501
R502
R948
R949
D916
TO SOLENOID
D921
R946
SEC-874194V-0
VMW1617 A
R/P SENS
102
103
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C102
C100
C101
PB.EQ.L-CH
202
203
201
C202
C200
C201
PB.EQ.R-CH
T01
-1 dB
-2 dB
+1 dB
R239
R240
R140
R139
RCH
LCH
R241
R242
R142
R141
C145
R150
R151
R154
Q103
R152
R153
R149
C147
R254
C247
L101
C146
R252
C246
L201
Q203
R253
R249
R250
R251
C910
R957
R935
C245
R104
PIN
C103
R105
R204
C203
R205
MIC
NR
OFF
ON
C144
C244
R145
R146
R143
R144
R147
C140
C142
C141
TAPE SELECT
S3
R244
R243
C241
R246
R245
C242
R247
C240
C148
C149
C249
BIAS L-CH
L102
L202
D901
D911
D915
VR102
VR202
Q906
TO MUTING SW
B1
B2
F2
TO FF SW
S2
C933
C150
C248
BIAS R-CH
C250
C931
TP901
L901
C930
BIAS CUT
R930
Q905
C932
R931
902
901
R932
R933
R934
VR101
VR201
K

V. Select P.C. Board

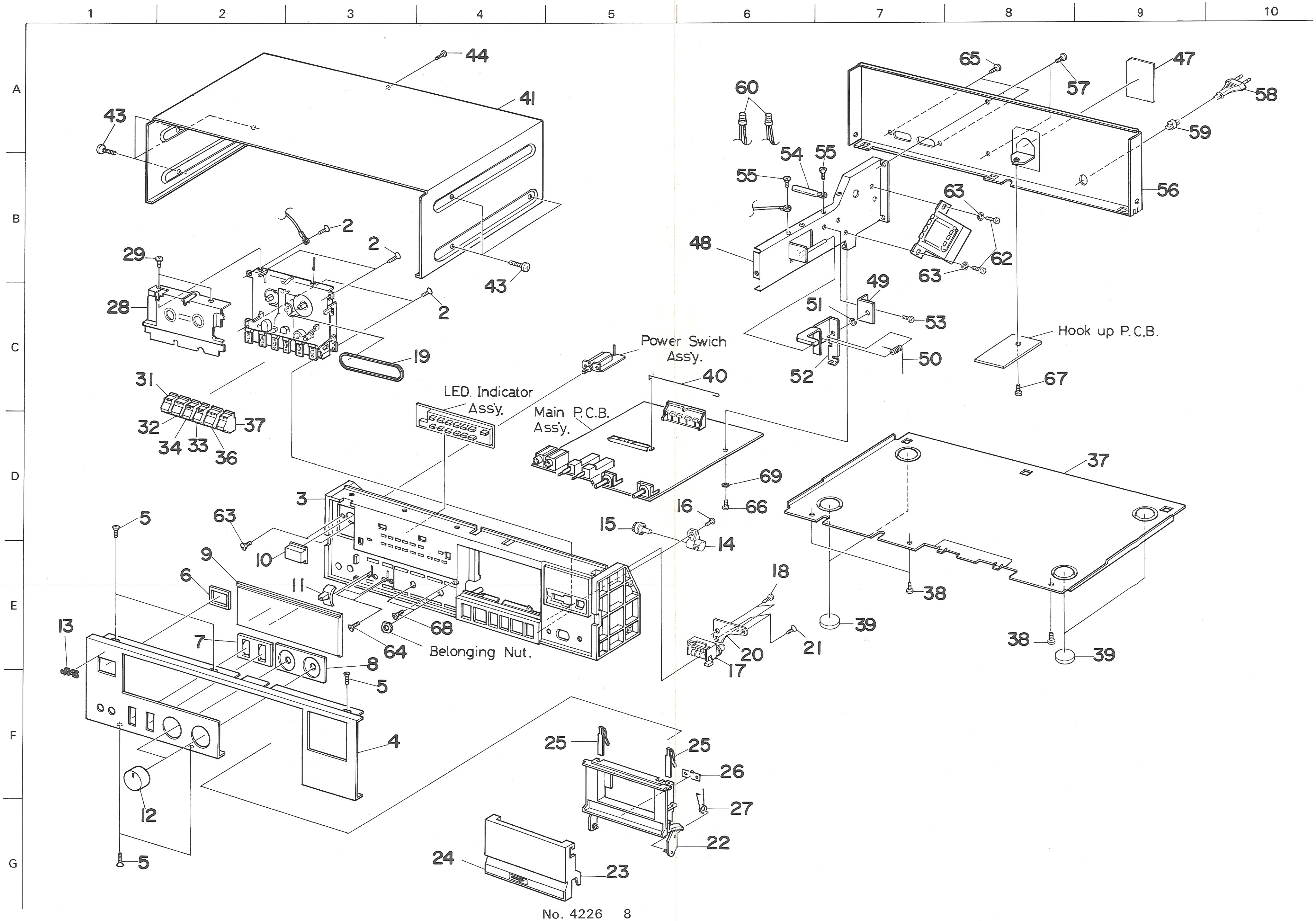
AC. Hook-up P.C. Board

Fig. 3

➡ Front

- 🟥 +B Circuit
- ☐ Transistor and ICs
- ■ Earth

Exploded View of Enclosure Assembly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LED. Indicator
Ass'y.
Main P.C.B.
Ass'y.
Power Swich
Ass'y.
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Belonging Nut.
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Hook up P.C.B.
67
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39

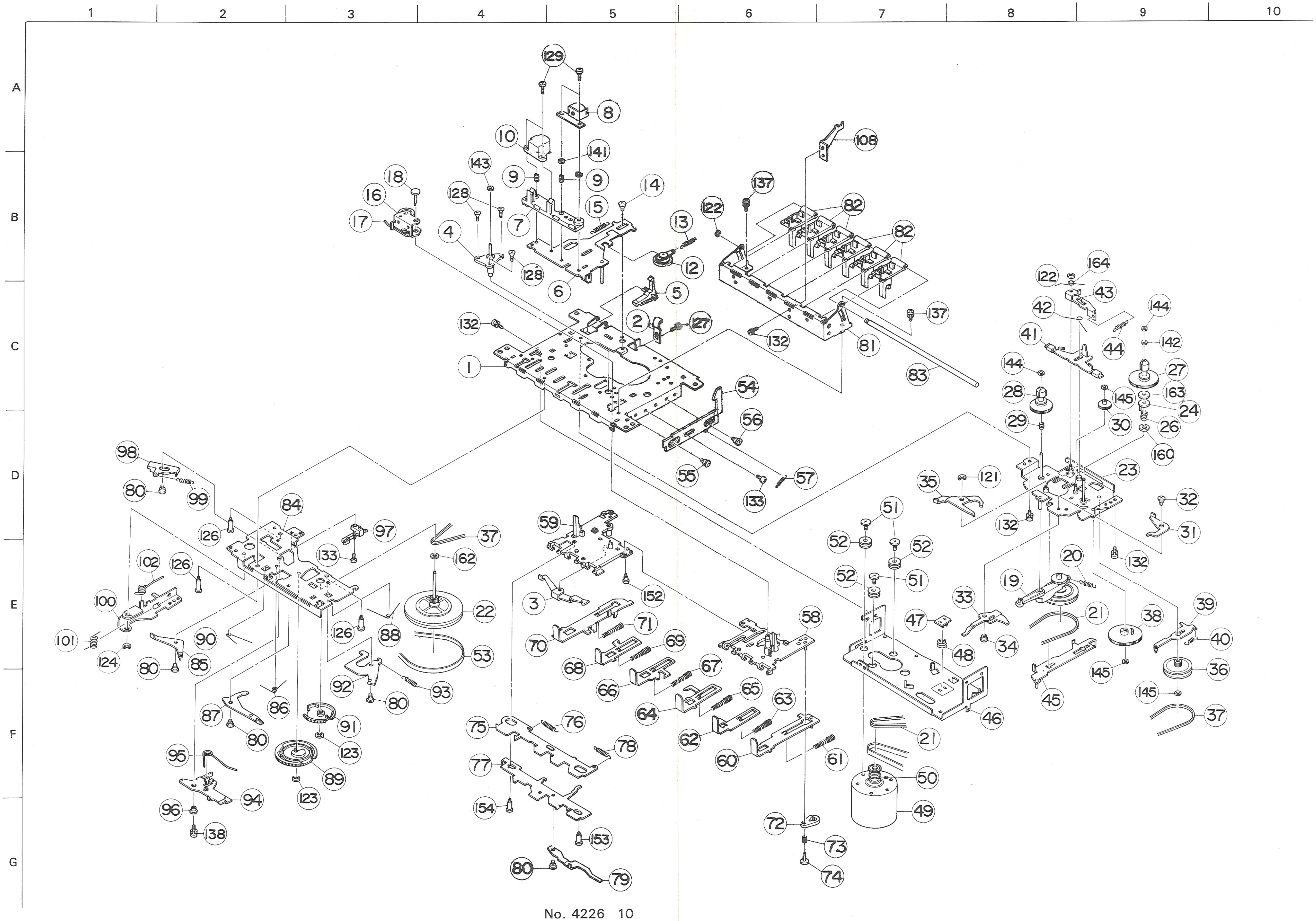
Parts List of Enclosure Assembly

⚠	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	1	—	KD-V100Y Mecha.		1
	2	SSSF3008Z	Screw	Mecha.	4
	3	VJC1345-003	Front Panel		1
	4, 6~9	ZCKDV100Y-CBF	Front plate Ass'y		1
	4	VJC1346-001	Front Plate		1
	5	SSSF3008Z	Screw	Front Plate	5
	6	VJD4787-001	Escutcheon	Power Switch	1
	7	VJD3463-001	Lever Escutcheon	NR/TAPE Switch	1
	8	VJD3462-001	Escutcheon	Volume (Input Level)	1
	9	VJK3225-001	Lens	LED Indicator	1
	10	VXP3108-001	Power Knob		1
	11	VXQ4057-003	Select Knob		2
	12	VXL4224-001	Volume Knob		2
	13	E70913-002	Mark		1
	14	VYH5033-002	Holder		1
	15	VYH4769-001	Gear		1
	16	SDSF3012Z	Screw	Damper Holder	1
	17	VKC5177-001T	Tape Counter	KD-V100A/B/C/E/ED/U/NA/NB/NC/NE/NED/NU	1
	″	VKC5165-001T	″	KD-V100J/NJ	1
	18	SDSF2605Z	Screw	Tape Counter	2
	19	VKB3000-053	Counter Belt		1
	20	VKL5383-002	Counter Bracket		1
	21	SSSF3006Z	Screw	Counter Bracket	2
	22	VJT2083-003	Cassette Holder		1
	23~24	ZCKDV100Y-CCA	Cassette Lid Ass'y		1
	23	VJT3110-001	Cassette Lid		1
	24	VJD4684-005	Lid Plate		1
	25	VKY4295-001	Spring		2
	26	VKY4252-001	″		1
	27	VKW4397-001	″		1
	28	VJD3401-003	Mecha. Plate		1
	29	SDST2604Z	Screw	Mecha. Plate	2
	30	VXP3094-013	Push Button	REC	1
	31	″ -014	″	PLAY	1
	32	″ -015	″	FF	1
	33	″ -016	″	REW	1
	34	″ -017	″	STOP/EJECT	1
	35	″ -018	″	PAUSE	1
	36	—	—		—
	37	VJC2112-002	Bottom Cover		1
	38	SDSF3008Z	Screw		3
	39	VJF4003-002	Foot		4
	40	VKW4398-001	Rod	REC. Wire	1
	41	VJC2140-001	Top Cover		1
	42	—	—		—
	43	SDSB4010R	Screw		6
	44	SDST3006R	″	Top Cover	1
	47	VYN2124-002KA	Name Plate	KD-V100B	1
	″	″ -003KA	″	KD-V100A	1
	″	″ -004PA	″	KD-V100C	1
	″	″ -005KA	″	KD-V100E	1
	″	″ -006PA	″	KD-V100J	1
	″	″ -007KA	″	KD-V100U	1
	″	″ -008KA	″	KD-V100ED	1
	48	VKL3503-00A	Amp. Chassis		1
	49	VKL5384-001	Rec. Bracket		1
	50	VKW4399-001	Spring		1
	51	REE3000	E. Washer		1
	52	VKL5385-001	Rec. Arm		1
	53	SDST3006Z	Screw		1
	54	VKL4001-011	Wire Holder		3
	55	SDST3006Z	Screw		2
	56	VJC2142-001	Rear Panel	KD-V100B	1
	″	VJC2113-011	″	KD-V100C/J	1
	″	VJC2142-003	″	KD-V100ED	1
	″	″ -002	″	KD-V100U	1
	57	SDST3006N	Screw		2
⚠	58	QMP3900-200	Power Cord	KD-V100ED/NED	1
⚠	″	QMP2560-200	″	KD-V100A/NA	1
⚠	″	QMP9017-008BS	″	KD-V100B/NB	1
⚠	″	QMP1200-200	″	KD-V100C/J/NC/NJ	1
⚠	″	QMP7600-200	″	KD-V100U/NU	1
⚠	59	QHS3876-162	Cord Stopper		1
⚠	″	″ -162BS	″	KD-V100B	1
⚠	60	TAW000504-01	Connector	KD-V100C/J/NC/NJ	2
⚠	61	VTP54M2-011BLBS	Power Transformer	KD-V100B/NB	1
⚠	″	VTP54T2-021BL	″	KD-V100A/NA	1
⚠	″	VTP54A2-021BL	″	KD-V100C/J/NC/NJ	1
⚠	″	VTP54M2-011BL	″	KD-V100E/ED/NE/NED	1
⚠	″	VTP54N2-011BL	″	KD-V100U/NU	1
	62	SDST3006Z	Screw	Power Transformer	2
	63	Q03091-105	Washer	″	2
	″	SSSP3006Z	Screw	Power switch	2
	64	SSSP3006Z	Screw	VR/Tape switch	2
	65	SDSF3008N	Screw	Pin Jack	2
	66	SDST3006Z	Screw	Main P.C. Board	1
	67	SDST3006Z	Screw	Hook-up, P.C. Board	1
	68	SSST3006Z	Screw	Chassis	1
	69	WBS3000N	Washer	Amp	1

Comparison Table between Black type and Silver type

Ref.No.	Parts No. (Silver type)	Q'ty	Parts No. (Black type)	Q'ty	Parts Name
3	VJC1345-003	1	VJC1345-005	1	Front Panel
4,6–9	ZCKDV100Y-CBF	1	ZCKDV100NY-CBF	1	Front Plate Ass'y
4	VJC1346-001	1	VJC1346-003	1	Front Plate
6	VJD4787-001	1	VJD4787-002	1	Escutcheon
7	VJD3463-001	1	VJD3463-002	1	Lever Escutcheon
8	VJD3462-001	1	VJD3462-002	1	Volume Escutcheon
9	VJK3225-001	1	VJK3225-003	1	LED Lens
13	E70913-002	1	E70913-001	1	Mark
23–24	ZCKDV100Y-CCA	1	ZCKDV100NY-CCA	1	Cassette Lid Ass'y
24	VJD4684-005	1	VJD4684-007	1	Lid Plate
30	VXP3094-013	1	VXP3094-001	1	Push Button
31	″ -014	1	″ -002	1	″
32	″ -015	1	″ -003	1	″
33	″ -016	1	″ -004	1	″
34	″ -017	1	″ -005	1	″
35	″ -018	1	″ -006	1	″
41	VJC2140-001	1	VJC2140-002	1	Top Cover
43	SDSB4010R	6	SDSB4010M	6	Screw
44	SDST3006R	1	SDST3006N	1	″
47	VYN2124-002KA	1	VYN2129-002KA	1	Name Plate
″	″ -003KA	1	″ -002KA	1	″
″	″ -004PA	1	″ -004PA	1	″
″	″ -005KA	1	″ -005KA	1	″
″	″ -006PA	1	″ -006PA	1	″
″	″ -007KA	1	″ -007KA	1	″
″	″ -008KA	1	″ -008KA	1	″

Exploded View of Mechanism Assembly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Parts List of Mechanism Assembly

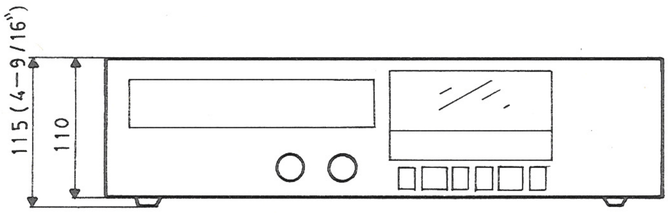
⚠	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	1	18200101T	Chassis Base		1
	2	18200102T	Pack Spring		1
	3	18200202T	Stopper		1
	4	18201207T	Flywheel Metal		1
	5	18000201T	Rec. Safety Lever		1
	6	182003501ZT	Head Panel		1
	7	18200311T	Head Base		1
	8	VGH0421-014	R/P Head		1
	9	14400315T	Spring	Eraser Head	1
	"	14400315T	"	R/P Head	1
	10	VGH0212-104	Eraser Head		1
	12	182003301ZT	Take-up Roller	Plate Ass'y	1
	13	18200312T	Spring	Take-up Roller Plate	1
	14	18200316T	Head P. Collar Screw		1
	15	18200302T	Spring	Head Panel	1
	16	182004303ZT	Pinch Roller		1
	17	18200403T	P. Roller Spring		1
	18	17152015T	Stopper		1
	19	182007301ZT	RF Clutch Ass'y		1
	20	18200704T	Spring	RF Clutch Arm	1
	21	17150606T	RF Belt		1
	22	182012301ZT	Flywheel Ass'y		1
	23	182005501ZT	Reel Bracket Ass'y		1
	24	18200814T	A.S. Detect Piece		1
	26	18200817T	A.S. Detect Piece Spring		1
	27	182006301ZT	Take-up Reel Ass'y		1
	28	182006302ZT	Supply Reel Ass'y		1
	29	18200608T	Back Tension Spring		1
	30	18000610T	Gear	FF	1
	31	18200910T	T.R. Kick Lever		1
	32	18200818T	Collar Screw		1
	33	18200805T	Auto Stop Lever		1
	34	18200811T	Collar	Auto Stop Lever	1
	35	18200911T	Kick Lever		1
	36	18200801T	Pulley		1
	37	18200809T	Belt	Auto Stop	1
	38	18200802T	Cam Gear		1
	39	18200803T	Detect Lever		1
	40	18200810T	Detect Lever Spring		1
	41	182009301ZT	Brake Arm Ass'y		1
	42	18200902T	Brake Spring		1
	43	18200905T	A.S.G. Lever		1
	44	15591409T	Spring		1
	45	18200903AT	Lever		1
	46	18201301T	FM Bracket		1
	47	18201302T	FL Thrust Plate		1
	48	18201310T	Thrust Spring		1
⚠	49	MMI-6A2HUA	DC Motor		1
	50	18201304T	Motor Pulley		1
	51	18201305T	Collar Screw	Motor	3
	52	18201306T	Rubber Cushion	"	3
	53	18201303T	Capstan Belt		1
	54	18201401T	Eject Lever		1
	55	18201418T	Collar Screw		1
	56	18201419T	"		1
	57	15590306T	Spring	Eject Slide Lever	1
	58	18201001AT	Button Base (L)		1
	59	18201002AT	" (R)		1
	60	182010501ZT	Lever Ass'y	PAUSE Button	1
	61	18000903T	Button Lever Spring		1

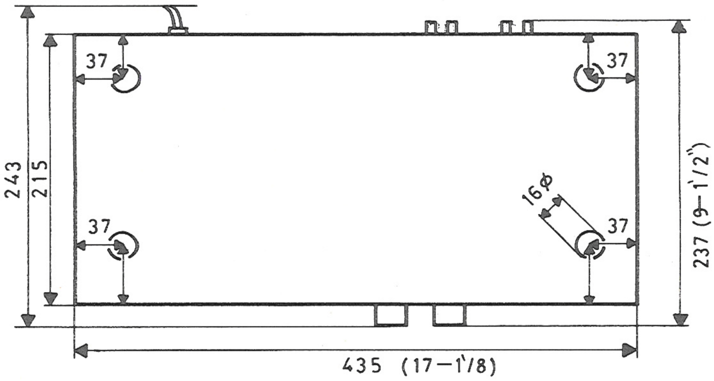
⚠	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	62	18201022T	Lever	STOP Button	1
	63	18201027T	Button Lever Spring		1
	64	18201021T	Lever	FF Button	1
	65	18000903T	Button Lever Spring		1
	66	18201020T	Lever	REW Button	1
	67	18201026T	Button Lever Spring		1
	68	18201019T	Lever	PLAY Button	1
	69	18201026T	Button Lever Spring		1
	70	18201018T	Lever	REC Button	1
	71	18201026T	Button Lever Spring		1
	72	18201041T	Lever		1
	73	18201034T	Pause Lever Spring		1
	74	18201032T	Stopper		1
	75	18201042T	Cam		1
	76	18201052T	Spring	Button Cam	1
	77	18201010T	Switch Cam		1
	78	18201031T	Spring	Switch Cam	1
	79	18201011T	Kick Lever		1
	80	18200819T	Collar Screw	REC Function Plate	1
	"	18200806T	"	Pause Arm Ass'y, P. Trigger Arm	3
	81	18201015T	Button Frame		1
	82	18201028T	Function Lever		6
	83	18201016T	Lever Shaft		1
	84	182011501ZT	Chassis Base		1
	85	182011510ZT	M. Trigger Arm Ass'y		1
	86	18201126T	Spring	M. Trigger Arm	1
	87	182011503ZT	P. Trigger Arm Ass'y		1
	88	18201127T	Spring	P. Trigger Arm	1
	89	18201103T	Main Gear		1
	90	18201131T	Spring	Main Gear	1
	91	18201104T	Pause Gear		1
	92	182011504ZT	Pause Arm Ass'y		1
	93	17000932T	Spring	Pause Arm Ass'y	1
	94	182011505ZT	Lift Arm Ass'y		1
	95	18201129T	Spring	Lift Arm	1
	96	18201130T	Collar	"	1
	97	64010170T	Leaf Switch	MSW-1412TNBK	1
	98	18201121T	Plate	REC Function	1
	99	17001612T	Spring	REC Function Plate	1
	100	18201122T	Recording Arm		1
	101	18201124T	Spring	REC Arm	1
	102	18201136T	"	REC Damper	1
	108	18201035T	B. Shaft Stopper		1
	121	REE1200(T)	E-Ring	Kick Lever	1
	122	REE1500(T)	"	Lever Shaft	1
	"	REE1500(T)	"		1
	123	REE2000(T)	"		1
	"	REE2000(T)	"		1
	124	REE3000(T)	"		1
	126	18201137T	Collar Screw		3
	127	SPST2603Z(T)	Th. Tap. Screw	Pack Spring	1
	128	SSSK2030M(T)	Mini Screw	FL Metal	3
	129	SPSX2007Z(T)	PM Screw	Eraser Head	2
	"	SPSX2007Z(T)	"	R/P Head	2
	132	LPSP2004Z(T)	Ass'y Screw	Reel Bracket	2
	"	LPSP2004Z(T)	"		1
	"	LPSP2004Z(T)	"		1
	133	SPSP2004Z(T)	Screw	FM Bracket	1
	"	SPSP2004Z(T)	"		1
	137	LPSP2604Z(T)	"		2

⚠	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	138	LPSP2606Z(T)	〃		1
	141	93160000T	Washer		1
	143	93720000T	Nylon Washer	Oil Cut	1
	144	94970000T	E-Ring		1
	〃	94970000T	〃	Take-up Reel	1
	145	94210000T	Washer	FF Gear	1
	〃	94210000T	〃	Pulley	1
	〃	94210000T	〃	Cam Gear	1
	148	18200812T	Collar Screw	M. Trigger Arm	1
	152	18201025T	〃		1
	153	18201029T	〃		1
	154	18201030T	〃		1
	160	97910000T	Polyslider Washer		1
	162	97880000T	〃	Thrust	1
	163	18200807T	Felt		1
	164	18200913T	Spring		1

Dimension

unit : mm





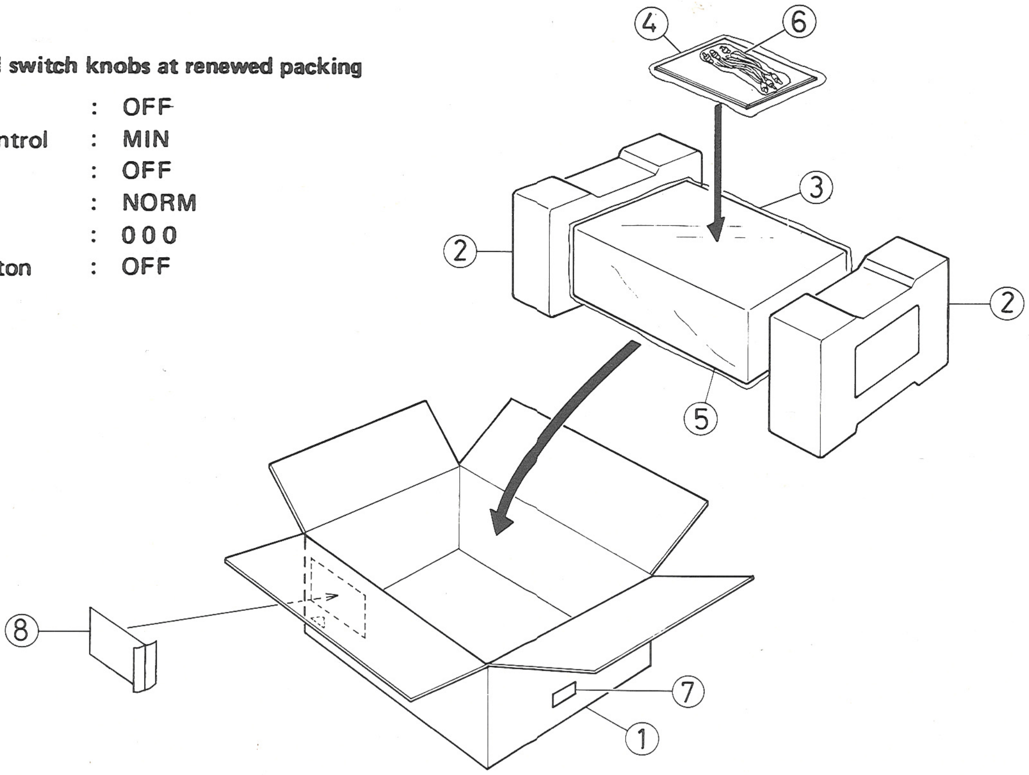
Accessories

⚠	Parts No.	Parts Name	Remarks	Q'ty
	VNN0129-301	Instruction Book	KD-V110B/E/ED	1
	〃 -901	〃	KD-V110A/C/J/U	1
	BT20060	Warranty Card	KD-V110B	1
	BT20066	〃	KD-V110B/E/D	1
	BT20029C	〃	KD-V110A	1
	BT20025F	〃	KD-V110C	1
	BT20047A	〃	KD-V110J/U (PX, EES)	1
	BT20064	〃	KD-V110U	1
	BT20046B	Special Reply Card	KD-V100J/U (PX, EES)	1
	BT20071	Service Centers List		1
	BT20044D	Safety Instruction	KD-V100J	1
	TJL000443-01	Seal	KD-V100B (BEAB Label)	1
	TLT000505-01	Caution Seal		1
	QZL1002-003	Warning Label	KD-V100B	1
	VNC5004-001	Mark Sticker	KD-V110B/E/ED	1
	VNF0129-001	Feature Sticker		1
	T44362-001	CSA Label	KD-V110C	1
	VNC5311-201	Caution Card	KD-V100U (EES)	1
	VND4037-002	F. Mark	KD-V100ED	1
	VNC2200-001	Instruction Sheet	KD-V100ED	1
	VMP0002-00D	Pin Cord		2
	V04062-001	Siemens Plug	KD-V100U	1

Packing

Positions of controls and switch knobs at renewed packing

Power switch : OFF
Record input level control : MIN
NR system switch : OFF
Tape select switch : NORM
Counter : 000
Mecha. operation button : OFF



Packing Parts List

Ref. No.	Parts No. (Silver type)	Parts No. (Black type)	Parts Name	Remarks	Q'ty
1	VPD2124-J02	VPD2129-J02	Carton	KD-V100B/NB	1
″	″ -J03	″ -J03	″	KD-V100A/NA	1
″	″ -J04	″ -J04	″	KD-V100C/NC	1
″	″ -J05	″ -J05	″	KD-V100E/NE	1
″	″ -J06	″ -J06	″	KD-V100J/NJ	1
″	″ -J07	″ -J07	″	KD-V100U/NU	1
″	″ -J08	″ -J08	″	KD-V100ED/NED	1
2	VPH2180-001		Cushion		2
3	VPE3004-026		Poly Bag	for Unit	1
4	″ -007		″	for Instruction	1
5	TKS000501-08		Sheet		1
6	AP4056A-36		Envelope	for Pin Cord	1
7	VPZ4001-001		Serial Ticket		1
8	E66416-003		Envelope	KD-V100U/NU (PX, EES)	1
				KD-V100J/NJ	1
	Q04141H		Clamp	for Power Cord	1
	VPK4166-001		Supporter		1

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